## EAST Search History

| Ref# | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|------|---|---|---------------------|---------|---------------------|
| L4   | 156  | CdZnTe same (x?ray or xray) same semiconductor  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/22<br>11:00 |
| L3   | 1    | CdZnTe same computed same tomography same semiconductor                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/22<br>10:59 |
| L2   | 400  | converter same voltage<br>same current same<br>(amplifier with parallel<br>with resistor) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/22<br>10:03 |
| L1   | 1922 | converter same voltage<br>same current same<br>amplifier same parallel<br>same resistor   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/22<br>10:03 |
| S90  | 97   | S89 and (voltage or current)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/21<br>16:30 |
| S89  | 110  | S88 and comparator  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/21<br>16:30 |
| S88  | 462  | (background same<br>threshold same noise)<br>and ("250" or "378").<br>clas.               | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2008/07/21<br>16:29 |

| S87 | 421  | S86 and (voltage or current)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>16:09 |
|-----|------|---|---|----|-----|---------------------|
| S86 | 454  | (threshold same noise<br>same comparator) and<br>("250" or "378").clas. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>16:09 |
| S85 | 3072 | (threshold same noise)<br>and ("250" or "378").<br>clas.                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>16:09 |
| S84 | 3072 | threshold same noise<br>and ("250" or "378").<br>clas.                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>16:08 |
| S83 | 2    | ("5809105").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/07/21<br>16:04 |
| S82 | 190  | S81 and current and voltage   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>15:26 |
| S81 | 417  | radiation same detector<br>same threshold same<br>noise                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>15:26 |
| S80 | 48   | S79 and threshold and comparator and logic and switch                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>15:19 |
| S79 | 1170 | detector same reduce<br>same background same<br>noise                   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2008/07/21<br>15:15 |

| S78 | 6    | ("20020079932"  <br>"4036057"   "4880981"  <br>"4920548"   "5204631"  <br>"5854489").PN. OR<br>("7183550").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR   | ON | 2008/07/21<br>15:01 |
|-----|------|---|---|------|----|---------------------|
| S77 | 16   | S76 and detector  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2008/07/21<br>14:50 |
| S76 | 46   | S75 and noise and fluctuat\$3   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2008/07/21<br>14:50 |
| S75 | 1063 | voltage same current<br>same converter same<br>(threshold or<br>comparator) same<br>integrator                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2008/07/21<br>14:50 |
| S74 | 62   | S73 and threshold   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2008/07/21<br>14:29 |
| S73 | 132  | noise same fluctuation<br>same detector same<br>comparator  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2008/07/21<br>14:29 |
| S72 | 28   | particle detector signal<br>process\$3 threshold<br>background noise<br>fluctuating integrator<br>voltage current | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2008/07/21<br>14:20 |
| S71 | 3    | signal process\$3 (dark<br>with current) (transient<br>with decay) and ("250"<br>or "702" or "378").clas.         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2008/07/21<br>14:15 |

| S70         | 0 | (transient with decay)<br>and ("250" or "702" or<br>"378").ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2008/07/21<br>14:15 |
|-------------|---|--|---|------|-----|---------------------|
| S69         | 0 | (dark with current)<br>(transient with decay)<br>and ("250" or "702" or<br>"378").ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2008/07/21<br>14:15 |
| S68         | 0 | signal process\$3 (dark<br>with current) (transient<br>with decay) and ("250"<br>or "702" or "378").ccls.        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON  | 2008/07/21<br>14:14 |
| <b>S</b> 67 | 6 | ("20020079932"  <br>"4036057"   "4880981"  <br>"4920548"   "5204631"  <br>"5854489").PN. OR<br>("7183550").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR   | ON  | 2008/07/21<br>14:01 |
| S66         | 3 | detector same (transient<br>with decay) same (dark<br>with current)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2008/07/21<br>14:00 |
| S65         | 0 | detector same (thermal<br>with decay) same (dark<br>with current)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2008/07/21<br>14:00 |
| S64         | 0 | detector same noise<br>same (thermal with<br>decay) same (dark with<br>current)                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2008/07/21<br>14:00 |
| S63         | 5 | ("4617680").PN. OR<br>("4880981").URPN.  | US-PGPUB;<br>USPAT; USOCR   | OR   | ON  | 2008/07/21<br>13:55 |
| S62         | 9 | (("5854489") or<br>("5204634") or<br>("4880981") or<br>("4036057")).PN.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2008/07/21<br>13:53 |

| S61 | 91  | transient same decay<br>same noise same<br>detector  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:46 |
|-----|-----|--|---|----|----|---------------------|
| S60 | 10  | S59 and current and voltage and threshold and integrator   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:41 |
| S59 | 150 | S58 and detector   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:40 |
| S58 | 417 | 702/191,193.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:40 |
| S57 | 16  | (transient with decay)<br>and integrator and<br>converter and (threshold<br>and discriminator)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:30 |
| S56 | 0   | (dark with current) and (transient with decay) and integrator and converter and (threshold and discriminator)                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:30 |
| S55 | 0   | (dark with current) and (transient with decay) and integrator and converter and (threshold same discriminator)                             | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:30 |
| S54 | 0   | (background same noise) and (dark with current) and (transient with decay) and integrator and converter and (threshold same discriminator) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/21<br>13:29 |

| S53 | 3 | noise same background<br>same transient same<br>decay same dark | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/21<br>11:48 |
|-----|---|---|---|----|-----|---------------------|
| S52 | 6 | (("20020154729") or<br>("6346708") or<br>("5012498")).PN.       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/07/21<br>11:45 |
| S51 | 6 | (("20020154729") or<br>("6349708") or<br>("5012498")).PN.       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/07/21<br>11:45 |
| S50 | 6 | (("20020154729") or<br>("6349706") or<br>("5012498")).PN.       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/07/21<br>11:18 |
| S49 | 2 | ("6760690").PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/07/21<br>10:57 |

## 7/ 22/ 2008 11:37:06 AM

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